

Date: Fri, 29 Jan 93 15:29:35 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #134  
To: Info-Hams

Info-Hams Digest                      Fri, 29 Jan 93                      Volume 93 : Issue 134

Today's Topics:

    Burglars are brighter than you might think!  
        Collins Radio info (3 msgs)  
            HT Battery Life  
            I love/hate Wayne Green  
            KAM 6.0 eprom  
    Larsen "kulduckie" w/HT - is it worth it?  
        LC Duplexer Design  
        LICENSE DELAYS  
        New Products  
        Notebook PC at CW Exam?  
    USAF MARS phone/freqs (was: USAF MARS has new address)  
        Wanted Manual: Yaesu FT-180A  
        weird format of messages  
        WHICH ONE TO BUY ??  
        Wilson T-1402SM

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 28 Jan 93 22:35:04 GMT  
From: saimiri.primite.wisc.edu!zaphod.mps.ohio-state.edu!cs.utexas.edu!  
    gerald.cc.utexas.edu!slcs.slbc.com!leo.asc.slbc.com!sjsca4!jones@ames.arpa  
Subject: Burglars are brighter than you might think!  
To: info-hams@ucsd.edu

Fred Lloyd [Phoenix SE] (flloyd@l1-a.West.Sun.COM) wrote:  
: In article <63757@mimsy.umd.edu> furuta@cs.umd.edu (Richard Furuta) writes:

: >This snippet from the February Auto-Call gave me a bit of a pause. I  
: >thought the warning might be of interest to others as well:  
: >  
: > Beware of the Eavesdroppers  
: >  
: > Last summer I discussed over a local repeater my plans for a trip  
: > to Florida with my family. When we returned, our home had been  
: > burglarized. ....  
:  
:  
: Very good subject. I don't think that this can be understated. I make  
: it a personal practice NEVER to discuss vacation plans over the air.

Also be careful that you're answering machine doesn't say "no one is home right now". Something like "no one can come to the phone right now" is better. Even better, with the advent of Caller ID, you can have a message saying "I either can't come to the phone at the moment, or I don't recognize your name and number, or you have suppressed them, so I'm not answering the phone".

I've always been a tad bit leary of having my answering machine on the air when I'm trying to call my wife and leave her a message. Hmmm... I think I'll have her voice on the tape, so that at least people can't hear my voice on both ends of the conversation.

Also, I don't have my address listed in the phone book. If you look in the Phoenix phone book, you'll see I'm the Clark Jones with address just listed as "Phoenix". I've done this in three or four different cities that I've lived in now. (I've never had to pay extra for it, either.)

It's also part of the reason that I have my P.O.Box as the mailing address on my license. The simpler callbook programs only have mailing address and not station location. (Though P.O.Boxes aren't foolproof. Ask any Private Investigator. ;-)

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Disclaimer: The opinions expressed above are mine and not those of Schlumberger because they are NOT covered by the patent agreement!

Phone: (602) 345-3638 RF: N7RPQ  
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,  
AZ 85284-1825

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Date: 29 Jan 93 17:08:45 GMT  
From: atha!aupair.cs.athabascau.ca!tech@decwrl.dec.com  
Subject: Collins Radio info  
To: info-hams@ucsd.edu

re: diffs between KWM2 and KWM2A

In addition to switching, the A series has sealed relays and the original had open frame relays and were thus subject to more dust and corrosion problems. ....I think.

--

Richard Loken VE6BSV : "Better sex, bigger homes,  
Athabasca University, Athabasca, Alberta Canada : faster cars. Vote YES on  
tech@cs.AthabascaU.CA : on Monday."  
{atha|aunro}@cs.athabascau.ca!tech : - Royal Canadian Air Farce

-----  
Date: 29 Jan 93 11:49:19 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: Collins Radio info  
To: info-hams@ucsd.edu

In article <1993Jan28.193812.21141@walter.cray.com>, wws@craywr.cray.com  
(Walter Spector) wrote:  
> In article <76r3ara@rpi.edu>, root@june.cmp.rpi.edu (J.R. Ordon) writes:  
> |> What are the differences between the KWM-2 and KWM-2A transceivers??  
>  
> The only difference I know of is that the -A version contains a  
> second crystal deck and associated front panel switch. This allows  
> you to broaden the coverage - e.g., for WARC bands or 10 meters.

Walt-

I assume the -A version must be the one that was once found around the world in various U.S. embassies, as well as in various military installations. There was a crystal "kit" available for it, to allow use on government frequencies within its range.

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Date: 29 Jan 93 16:39:54 GMT  
From: noao!ncar!gatech!darwin.sura.net!mojo.eng.umd.edu!chuck@arizona.edu  
Subject: Collins Radio info  
To: info-hams@ucsd.edu

In article <76r3ara@rpi.edu> root@june.cmp.rpi.edu (J.R. Ordon) writes:  
>I've got a question for any of the Collins Radio  
>experts out there...  
>

>What are the differences between the KWM-2 and KWM-2A transceivers??

The ONLY differences between a KWM-2 and a KWM-2A relate to the addition of another crystal deck in the 2A. The KWM-2A has 28, 200KHz bands, the KWM-2 has only 14.

>

>I'm wondering if they changed the way the rig generated CW in the 2A.

No.

>

>The original KWM-2 generated CW by injecting an audio tone on a SSB signal, >this created a weak Satellite signal on the other sideband. The 32S1 >generated CW the same way, but they fixed it in the 32S3..

The fix entails using a 4 diode ring modulator instead of the old 2 diode balanced modulator. This was incorporated in the 'M2s in the early '60s. If you have plug-in relays, you have this fix. If you still have problems with the "satellite signal" (unsuppressed carrier actually) adjust the balance on your balanced modulator more carefully (it is very critical!).

73,

Chuck Harris - WA3UQV

chuck@eng.umd.edu

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Date: 29 Jan 93 21:54:47 GMT

From: news-mail-gateway@ucsd.edu

Subject: HT Battery Life

To: info-hams@ucsd.edu

from: Cecil\_A\_Moore@ccm.hf.intel.com

A Ham friend of mine complained that his DJ-580 battery was running down faster than mine was. We traced the problem to a combination of the mike input circuitry plus a Radio Shack speaker mike. The Alinco DJ-580 and the ICOM 24AT both use a stereo input plug on the external microphone input. The extra contact is used to supply voltage to the VOX circuit in their headsets. In the DJ-580, this supply voltage is protected from shorting to ground by a 100 ohm resistor. So when the Radio Shack speaker mike was plugged in with it's mono mike plug, the battery is shunted to ground through 100 ohms causing a 50 mA drain on the battery. This is at least 7% of the battery life just thrown away.

For maximum battery life, do not use a mono plug in the external mike

input and be sure that the battery saver option is enabled. 12v batteries with the same amp-hour rating probably won't last any longer than 7.2v batteries. It would be better to get a 7.2v battery with double the amp-hour rating for longer battery life.

Cecil...KG7BK

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Date: 29 Jan 93 21:32:52 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: I love/hate Wayne Green  
To: info-hams@ucsd.edu

I kind of like Wayne Green's loony editorials. In the last one I read he was pushing mental telepathy. I guess I have a soft spot for people fixated. In college I used to listen frequently to Brother Jed, who is a peripatetic preacher known throughout college campuses. I used to listen to Dr. Eugene Scott on the cable in California (is he still alive?) I think the world is safe if people as truly and monumentally loopy as Wayne Green, Brother Jed, or Doc Scott can have their soapbox. His columns don't have much to do with Ham radio, though.

Peace,  
Bill White  
No Call Yet  
(But watch this space after Feb 1)

-----  
Date: Fri, 29 Jan 1993 18:59:51 GMT  
From: ucsnews.sdsu.edu!sol.ctr.columbia.edu!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!rouge!cfm1471@network.UCSD.EDU  
Subject: KAM 6.0 eprom  
To: info-hams@ucsd.edu

In article <1k6ausINNqah@lucy.cs.widener.edu> tener@cs.widener.edu (Stuart Tener) writes:

>Recently I was ftping from nic.funet.fi, and in one of the directories on  
>there system was a file called KAM60.BIN in an eprom directory. Being as  
>it is exactly the size of a 27512, and the kam uses a 27512 I do presume  
>that it is an eprom for the kam. But what does it do? Who wrote it?  
>Where is the documentation? who has the source? why would I use it?  
>  
>73,  
>stuart

Stuart, \*IF\* in fact it is the 6.0 eprom for the kam, its the Pactor upgrade. It has all the same packet upgrades as the 5.0, 5.01, and 5.02

does, but it adds the Pactor mode for the HF port. If u buy it from Kantronics they also include the Hostmaster 2 Plus program \*UPGRADE\*, not the program mind u, but an upgrade that is SPECIFICALLY mated with the eprom. In other words, with the eprom and any terminal program, u will still be able to run pactor, but with the correct eprom and copy of hm2plus, you will be able to use the pactor drop-down menu on the prog.

Hope this helps some.

Charlie KI5XP @ K5ARH.LA

cfm1471@usl.edu

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Date: 29 Jan 93 22:26:57 GMT

From: news-mail-gateway@ucsd.edu

Subject: Larsen "kulduckie" w/HT - is it worth it?

To: info-hams@ucsd.edu

<sherw@network.UCSD.EDU> (Greg) writes:

>Hello. I recently purchased an Alinco DJ580T HT for around \$360 and I'm  
>quite impressed with it. However, it has been recommended to me to get the  
>Larson dual-band kulduckie antenna to use instead of the shortie that  
>typically comes with all HTs (including mine). I was told by some sources  
>that the Larson would make a great improvement over the factory- included  
>antenna. however, I have other sources who have told me that the Larson  
>wouldn't be worth it - since all "duckies" are practically dummy loads  
>anyway - and any improvement on transmit would be minimal.

>Is there a consensus on this? Please post or e-mail your opinion...

I was given a similer recommendation from an Elmer I trust and took it. I then tested the results on our club repeater. I had a known drop-out point on my commute home using the stock duckie on my TH-78. The Kulduckie held the repeater for a significantly greater distance. The repeater used for the test is at a low altatude (top of a building) in an urban area with local hills, so it is a difficult repeater to keep in RF line of sight.

I also like the increased capture area of the Kulduckie, It must help.

73

-----  
Wm. A. Kirsanoff

Rockwell International

(714) 762-8869

Internet: WAKIRSAN@ananov.remnet.ab.com

Ham: KD6MCI

Alternate Internet: kirsanwa@catipult.anatcp.rockwell.com  
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Who are you? \* I am number 2. \* Who is number 1. \* You are number 6.



Date: Fri, 29 Jan 1993 02:14:23 GMT  
From: nntp.telebit.com!phr@uunet.uu.net  
Subject: New Products  
To: info-hams@ucsd.edu

Geez, Azden is making HT's again? I hope they are better than the last batch. I have one of their old 2 meter units and it is awful. It's no surprise that they stopped selling HT's in the US after turkeys like that. Maybe they're better now.

I thought the construction quality was ok--even tank-like--but the design stunk: no removable battery pack; needed to scan up and down for the frequency you wanted despite having a keypad, etc.

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Date: Thu, 28 Jan 93 22:19:34 GMT  
From: saimiri.primite.wisc.edu!zaphod.mps.ohio-state.edu!cs.utexas.edu!  
gerald@cc.utexas.edu!slcs.slb.com!leo.asc.slb.com!sjsca4!jones@ames.arpa  
Subject: Notebook PC at CW Exam?  
To: info-hams@ucsd.edu

Ronald K Long (rlong@magnus.acs.ohio-state.edu) wrote:

:  
: The title tells it all. Is it allowed to use a word  
: processor in the form of a notebook PC to copy code  
: during a VEC administered exam?  
:  
: Is it up to the individual VEC group to make their  
: own rule?  
:  
: Thanks.  
:  
: 73  
: Ron W8GUS  
: rlong@magnus.acs.ohio-state.edu  
:

I was talking to a friend of mine, who is a VE, and telling him that maybe I'd be better off getting my 2nd Class Radio Telegraph Operator's license (a commercial ticket) before my Extra, because the FCC lets you bring in a typewriter for the Morse code test, and I can type a lot faster than I can write with a pen or pencil. He said that there's no problem bringing in a typewriter, though they'd prefer to know ahead of time so that steps can be taken so you don't disturb the other folks that are taking the test. He said you could even bring in a lap-top computer and use the word processor, provided you could prove that the machine wasn't equipped to copy Morse code itself. (This conversation was about a year ago, just after he'd become a VE.)



I think that the best bet is to ask the folks that are giving the exam that you'll be taking!

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Disclaimer: The opinions expressed above are mine and not those of Schlumberger because they are NOT covered by the patent agreement!

Alternate reply path: jones@sjs.sj.ate.slb.com

Phone: (602) 345-3638

Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe, AZ 85284-1825

-----  
Date: Thu, 28 Jan 1993 16:40:26 GMT

From: overload.lbl.gov!agate!spool.mu.edu!uwm.edu!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!cis.ohio-state.edu!udecc.engr.udayton.edu!

blackbird.afit.af.mil!jmillier@@dog.ee.lbl.gov

Subject: USAF MARS phone/freqs (was: USAF MARS has new address)

To: info-hams@ucsd.edu

Due to an (ahem) unscheduled dump of all my mail, I wasn't able to respond to the people who queried me on these subjects. The phone number for the USAF MARS office is (618) 256-5552, and the commonly used VHF freqs are 143.45 (repeater output), 143.95 simplex, and sometimes 148.125 for packet (shared with CAP, though).

(Paul -- I made a note of the FAQ update address, thanks)

73,

Jeff

--

Jeff Miller, NH6ZW/N8, AFA1HE (ex WD6CQV, AFA8JM, AFA1D0)

AFIT School of Engineering, Wright-Patterson AFB, OH

"This class (Formal Methods in SW Engineering) redefines the term "auger in" -- nameless AFIT student. Help eliminate FOD in our lifetime.

-----  
Date: 29 Jan 93 20:34:59 GMT

From: news-mail-gateway@ucsd.edu

Subject: Wanted Manual: Yaesu FT-180A

To: info-hams@ucsd.edu

I received a Yaesu FT 180A marine ssb transceiver. Does anyone on the net have a manual for this rig. Any data is a BIG help !

Thanks in advance,  
Al

"Nice signal...considering I have the back of the beam pointing away from you"

goodric@hswdl.utc.com

-----  
Date: 29 Jan 93 20:47:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: WHICH ONE TO BUY ??  
To: info-hams@ucsd.edu

I am planning to purchase a new 2m rig shortly. For various reasons I have narrowed my choices to the following:

Kenwood TM-241A  
ICOM IC-229H  
Yaasu FT-2400H

I would very much appreciate hearing some pro's and con's related to these specific models.

73  
Murrie, KD4TKB

\*\*\*\*\*  
\* "I reached into the sky and found a friend." \*  
\* Robert H. Nesbitt - WA7UVO \*  
\* CQ Magazine - February 1977 \*  
\* \*  
\*\*\*\*\*  
\* L. Murrie Lee \*  
\* Associate Registrar LEELM@VXC.UNCWIL.EDU \*  
\* University of North Carolina at Wilmington Phone: 919-395-3126 \*  
\* 601 South College Road FAX: 919-395-3038 \*  
\* Wilmington, North Carolina 28403 U.S.A. Amateur Radio Call: KD4TKB \*  
\*\*\*\*\*

-----  
Date: 29 Jan 93 17:02:35 GMT  
From: atha!aupair.cs.athabascau.ca!tech@decwrl.dec.com  
Subject: Wilson T-1402SM  
To: info-hams@ucsd.edu

I have a Wilson 1402SM and have purchased crystals from various places with no problems. Most crystal manufacturers should have the 1402 specs on file so you just have to tell them the operating frequency and whether the rock is for transmit or receive.

I used to buy crystals from Sentry Crystals and International Crystals before I found a Canadian manufacturer. These two should be listed in the ARRL Handbook I expect. The only supplier listed in the latest QST is Jan Crystals at 1 (800)JAN-XtAL (now isn't that inspired).

--

Richard Loken VE6BSV : "Better sex, bigger homes,  
Athabasca University, Athabasca, Alberta Canada : faster cars. Vote YES on  
tech@cs.AthabascaU.CA : on Monday."  
{atha|aunro}@cs.athabascau.ca!tech : - Royal Canadian Air Farce

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Date: 29 Jan 93 16:46:16 GMT  
From: gatech!darwin.sura.net!spool.mu.edu!hri.com!noc.near.net!  
transfer.stratus.com!sw.stratus.com!fms@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Jan13.221614.7782@ncsu.edu>, <stellabo.727010877@phage.cshl.org>,  
<C1I2KA.CLz@utdallas.edu>transfe  
Subject : Re: Beginner's Rig

In article <C1I2KA.CLz@utdallas.edu>, cyoon@utdallas.edu (CHANG K YOON) writes:  
> In article <stellabo.727010877@phage.cshl.org> stellabo@phage.cshl.org (Fred  
> Stellabotte) writes:

> >

> >Just a Tip ... Radio Shack just put their HDX-100 ten meter rig  
> >on sale for \$199.

> >

> >-Fred

> >

> >

>

> Slight problem. He's a no-code Tech which means that he can't use a 10  
> meter till he gets the code.

> --

> -----

Sure he can -- he can LISTEN on 10 meters. My husband and I had an HF rig in-  
house  
for several weeks before we even got our licenses, and we used it to listen to  
W1AW code practice and people's conversations, and shortwave broadcasts, and...

By your definition, I shouldn't have a radio in-house that has the Extra bands  
on it, because I can't "use" them...

73 de Faith N1JIT/AA

--

Faith M. Senie                      InterNet: fms@vos.stratus.com

Stratus Computer, Inc.      InterNet: fms@hoop.sw.stratus.com  
55 Fairbanks Blvd.        Pkt Radio: n1jit@ka1srd.ma.usa.na  
Marlboro, MA 01752        Phone: (508)460-2632

"I'm afraid I don't know very much about Romulan Disruptor settings" --Spock

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End of Info-Hams Digest V93 #134

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